



U.S. ENVIRONMENTAL PROTECTION AGENCY
 Office of Pesticide Programs
 Registration Division (7505C)
 401 "M" St., S.W.
 Washington, D. C. 20460

EPA Reg. Number:
 264-556

Date of Issuance:
 MAY 1 1988

Term of Issuance:
 Unconditional

Name of Pesticide Product:
 Aliette HG brand
 Fungicide

NOTICE OF PESTICIDE:
 Registration
 Reregistration
 (under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):
 Rhone-Poulenc AG Company
 P.O. Box 12014, 2 T.W. Alexander Drive
 Research Triangle Park, NC 27709

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA sec. 3(c)(5) provided that you:

1. Make the labeling changes listed below before you release the product for shipment:

- a. Add the phrase "EPA Registration No. 264-556" to your label.
- b. In the Turf section modify the directions for use to read:

....on common turfgrasses on golf courses and lawns.

3. Submit one (1) copy of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

A stamped copy of the label is enclosed for your records.

Cynthia Giles-Parker
 Product Manager (22)
 Fungicide-Herbicide Branch
 Registration Division (7505C)

Signature of Approving Official:

Juel G

Date:

MAY 1 1988

ALIETTE® HG brand Fungicide

ACTIVE INGREDIENT: Aluminum tris (O-ethyl phosphonate).....80.0%

INERT INGREDIENTS:.....20.0%

E. P. A. REG. NO. 264-XXX

E. P. A. EST. NO.

KEEP OUT OF REACH OF CHILDREN CAUTION

For MEDICAL and TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-334-7577.
For PRODUCT USE Information Call 1-800-334-9745.

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention if irritation persists.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

IF SWALLOWED: Call a physician or Poison Control Center. Drink one or two glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

PRECAUTIONARY STATEMENTS

CAUTION

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if swallowed or absorbed through the skin or inhaled. Causes moderate eye injury. Avoid contact with skin, eyes or clothing.

If handling this product, long-sleeved shirt and long pants, waterproof gloves, shoes plus socks, and protective eyewear should be worn. Follow manufacturer's instructions for cleaning clothing after use. If no such instructions for washables, use detergent and hot water. Keep and wash this clothing separately from other laundry.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic and estuarine invertebrates. Drift and runoff may be hazardous to aquatic and estuarine organisms in neighboring areas. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by disposal of equipment washwaters.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
Read entire label before using this product.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE DISPOSAL:

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL:

Do not reuse empty bag. Discard bag in trash.

ACCEPTED
with COMMENTS
In EPA Letter Dated:

By the Federal Insecticide, Fungicide, and Rodenticide Act, 7 U.S.C. 136, and the Federal Food, Drug, and Cosmetic Act, 21 U.S.C. 321, the following pesticide is hereby registered:

264-556

ORNAMENTALS AND BEDDING PLANTS

For use only on ornamental plants grown in landscaping situations.

Use ALIETTE® HG Fungicide on ornamentals and bedding plants grown in landscaping situations, for control of diseases caused by Pythium and Phytophthora. ALIETTE® HG can also be used on ornamentals for the control of downy mildew and fire blight and for the suppression of bacterial blight caused by certain pathovars of *Xanthomonas campestris*. Applications should be made prior to disease development and in conjunction with good cultural management practices. Thorough uniform coverage of plant surfaces is important for good disease control. Use the higher rate when disease pressure is severe. Do not exceed recommended rates or apply more frequently than at specified intervals or plant injury may occur.

ORNAMENTALS

FOLIAR APPLICATIONS to plants such as Aglaonema, Aphelandra, Azalea, Bougainvillea, Boxwood, *Cattelya skinneri*, Cissus, Dieffenbachia, Hibiscus, Juniper, Leather-leaf Fern, Pittosporum, Philodendron, Pothos, Rhododendron, Spathiphyllum and Taxus media.

Mix 1.5 to 3.0 tablespoons of product with 1 gallon of water and spray to wet, ensuring good coverage. Repeat as necessary but do not exceed one application every 30 days.

DRENCH APPLICATIONS to plants such as Aphelandra, Azalea, Boxwood, Cissus, Dieffenbachia, Japanese Holly, Juniper, Monterey Pine, Philodendron, Pieris, Pittosporum, Rhododendron, Schefflera, Spathiphyllum, and Taxus media:

Mix 0.25 to 0.5 tablespoons of product with 1 gallon of water and apply to 4 sq. ft. (equivalent to 2 pt. solution per sq. ft.) Repeat as necessary but do not exceed one application every 30 days.

SOIL INCORPORATION to plants such as Rhododendron, Azalea, or Pieris for control of Phytophthora species only:

Mix 0.3 to 0.5 tablespoons of dry product per cubic yard of soil mix immediately before planting. If conditions are favorable for disease development, applications as a foliar spray or drench should be made as needed but are not to exceed once every 30 days. Use soil incorporation only with well-rooted plants.

BEDDING PLANTS

FOLIAR APPLICATIONS to plants such as Begonia, Pansy, Vinca, Marigold, Zinnia, Petunia, Geranium, and Impatiens:

Mix 1.0 to 2.0 tablespoons of product with 1 gallon of water and spray to wet, ensuring good coverage. Repeat as necessary but do not exceed one application every thirty days.

FOR USE ON CONIFERS TO PREVENT PHYTOPHTHORA ROOT ROT

FOLIAR APPLICATIONS to conifers such as Douglas firs, spruce and pines. Mix 1.5 to 3.0 tablespoons of product in 1 gallon of water and spray to wet, ensuring good coverage. Do not exceed more than one application every 30 days.

DOWNY MILDEW CONTROL IN ROSES

FOLIAR APPLICATIONS TO ROSES: container, landscape and mini varieties to control downy mildew (*Peronospora sparsa*). Applications should be made in conjunction with a disease sanitation program to reduce the spread of the disease to uninfected plants.

Mix 1.5 tablespoons of product with 1 gallon of water and spray to wet, ensuring good coverage. Repeat as necessary but do not exceed one application every 7 days.

FIRE BLIGHT SUPPRESSION

FOLIAR APPLICATIONS to plants such as Ornamental pear, Pyracantha and Hawthorn. Applications should be made in conjunction with a strict sanitation program to reduce the spread of the disease to uninfected plants.

Mix 1.5 tablespoons of the product in 1 gallon of water and spray to wet, ensuring good coverage. ALIETTE® works solely as a preventive treatment. Begin spray treatments at pre-bloom stage and continue at 7 day intervals until bloom period ends. Do not exceed one application every seven days.

BACTERIAL BLIGHT SUPPRESSION

FOLIAR APPLICATIONS to plants such as English ivy, Schefflera, Anthurium, Dieffenbachia, Spathiphyllum, Syngonium, and Ficus for the suppression of the *Xanthomonas campestris* pathovars *hederae*, *dieffenbachiae*, *syngonii*, and *fici*. Applications should be made in conjunction with a disease sanitation program to reduce the spread of the disease to uninfected plants.

Mix 1.5 to 2.0 tablespoons of product with 1 gallon of water and spray to wet, ensuring good coverage. Repeat as necessary but do not exceed one application on every 7 days.

Refer to compatibility statements concerning use of coppers or other compounds

PLANT TOLERANCE

Plant tolerances to ALIETTE® HG Fungicide have been found to be acceptable in the specific genera and species listed on this label. It is not possible to evaluate every species or variety of ornamental plant for its tolerance to ALIETTE® HG Fungicide. The user should test for possible phytotoxic responses in other plants on a small area basis using recommended rates prior to commercial use.

ORNAMENTAL AND BEDDING PLANT TANK MIXTURES

Additional Disease Control: If ornamentals are threatened by additional diseases, ALIETTE® HG is compatible with most commonly used fungicides. For control of diseases such as Aerial Web Blight, Alternaria Leaf Blight, Botrytis Blight, Fusarium Leaf Spot, Helminthosporium Leaf Spot, and Ray Blight, ALIETTE® HG can be tank-mixed with other fungicides. Consult the label of the tank mix product for an additional listing of diseases controlled and for application rates.

When ALIETTE® HG is tank-mixed with other fungicides, follow label directions for the use of that product and apply at the recommended rate for control of the target disease organism. ALIETTE® HG is not compatible with the flowable formulation of Daconil 2787. These products should not be combined for application.

COMPATIBILITY FOR ORNAMENTALS

ALIETTE® HG may not be compatible with foliar fertilizers or with copper based fungicides. To avoid undesirable copper phytotoxicity, do not apply ALIETTE® HG and copper based compounds at less than 7 day intervals. Do not mix ALIETTE® HG with any sticker, extender or wetting agent.

To determine the physical compatibility of ALIETTE® HG with any other product, use a small container to mix a small amount (e.g. 1 pint) of spray solution, containing all ingredients in the same order and ratio as the anticipated use. If any indication of physical incompatibility develop, do not use this mixture for spraying. Indication of incompatibility usually appear within 5-15 minutes after mixing. Read and follow all directions and precautions on this label and on the labels of any products for which a tank mixture is being considered.

ALIETTE® HG is not physically compatible with flowable formulations of Daconil 2787 fungicide as a tank mixture. These products should not be combined for application.

TURF

ALIETTE® HG is a systemic fungicide which may be used in a seasonal program for the control of Pythium diseases, such as blight and root rot, and Yellow tuft on common turfgrasses on golf courses, lawns. Apply as a foliar spray, using 1 to 5 gallons of water per 1,000 sq. ft., as indicated in the table below. Apply with a properly calibrated sprayer.

DISEASE	INTERVAL OF APPLICATIONS	RATE OZ. PRODUCT/1,000 FT ²
Pythium diseases, Yellow Tuft	14 days	4.0
	21 days	8.0

Begin preventive applications when conditions first favor disease and repeat at recommended interval. Do not mow and/or water treated areas until foliage is completely dry. Maintain agitation during spray operations.

COMPATIBILITY FOR TURF

ALIETTE® HG may not be compatible with foliar fertilizers or with copper based fungicides. Do not mix ALIETTE® HG with any sticker, extender or wetting agent.

To determine the physical compatibility of ALIETTE® HG with any other product, use a small container to mix a small amount (e.g. 1 pint) of spray solution, containing all ingredients in the same order and ratio as the anticipated use. If any indication of physical incompatibility develop, do not use this mixture for spraying. Indication of incompatibility usually appear within 5-15 minutes after mixing. Read and follow all directions and precautions on this label and on the labels of any products for which a tank mixture is being considered.

ALIETTE® HG is not physically compatible with flowable formulations of Daconil 2787 fungicide as a tank mixture. These products should not be combined for application.

Do not graze animals on treated turf. Do not feed clippings from treated turf to livestock and poultry.

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conforms to the chemical description on the label; (b) that this product is reasonably fit for the purposes set forth in the directions for use when it is used in accordance with such directions; and (c) that the directions, warnings and other statements on this label are based upon responsible experts' evaluation of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants, and of residues on food crops and upon reports of field experience. Tests have not been made on all varieties or in all states or under all conditions. THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE, ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS OR CAUTIONS.

BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

NOTICE TO BUYER

This product, its packaging and method of making are claimed on one or more U.S. patents. The price contains a prepaid royalty for which the purchaser receives a non-exclusive license solely for the purpose of using the product in accordance with the label directions and not for resale. Purchase of this material does not confer any rights under patents governing this product or the use thereof in countries outside the United States.

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ALIETTE - HG Fungicide (PENDING) P submitted 3/24/95